

ChemRisk Repository Number: 233 Document Number: 00493

Title: List of All Buildings Containing Radiological Hazards and the
Quantities produced, stored and/or Used on an Annual Basis in Each
Building

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Abstract: List provided to the Tiger Team in response to a question regarding
buildings with radiological hazards.

Reviewer: J. Lamb

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Ir-192, Plutonium-239, Plutonium-238, X-ray generator,
Californium-252, Cobalt-57

| <u>Facility</u> | <u>Quantity of Total Uranium (Unless otherwise specified)</u> |
|--------------------|---|
| K-1220 | 78 kg |
| K-1210 | 889 kg |
| 15X Vault | 7,719 kg |
| K-1037 | 14,678 kg |
| K-1435 | 40,242 kg |
| Indefinite Storage | 383 kg |

Note: Cascade Equipment Hold-up can be furnished upon request for gaseous diffusion process buildings.

ATTACHMENT II

Report Date: 09/16/91

- BUSINESS SENSITIVE -
MARTIN MARIETTA ENERGY SYSTEMS
Source Inventory System
Report SI01, K-25 site Sources Scheduled for Audit

Cover Page

+--Selections made for this report:-----
| Plant(s) : K-25 site Source Status: TRACKABLE Scheduled and/or Overdue: SCHEDULED & OVERDUE
| Source Type(s) : ALL
|
| Sorted by: Plant / Custodian Division / Building No. / Building Suffix / Room / Custodian Last Name
| Custodian First Name / Custodian Middle Init. / Source ID
|-----

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MARTIN MARIETTA ENERGY SYSTEMS

Cover Page

Source Inventory System

Report SI08, K-25 site Source Inventory Summary

By Building

+--Selections made for this report:-----

Plant(s) :K-25 site

Custodian(s) :ALL

Building(s): ALL

Building Suffix: ALL

Source Status :TRACKABLE

Room(s) : ALL

Source Type(s) :ALL

Division : ALL

Sorted by: Plant / Building Number / Building Suffix / Room / Source Type / Source ID

- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report SI08, K-25 site Source Inventory Summary
 By Building

Division: 04 Building: 1004-B

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|---|--|---|------|--|
| x-7002 | X-ray generator Type:Enclosed beam radiographic | Oatts, T. | 110 | Inactive: 02/26/90 Last Audited: 03/04/91 |
| Location: Right as you walk in room | | | | |
| x-7015 | X-ray generator Type:Enclosed beam radiographic | Oatts, T. | 110 | Inactive: 03/04/91 Last Audited: 03/04/91 |
| Location: Next room to the right after entering room 110. | | | | |
| Ni-63-6027 (27) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 7.16E+00mCi | 171 | In storage: 07/18/91 Last Audited: 07/18/91 |
| Location: on counter at the south east corner of the room | | | | |
| Ni-63-6028 (28) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 7.31E+00mCi | 171 | In storage: 07/18/91 Last Audited: 07/18/91 |
| Location: on counter at south east corner of room | | | | |

Division: 04 Building: 1004-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|---|-----------------------|---|------|---|
| Ni-63-6029 (67) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.46E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: on west end of the counter located on the North side of the room. | | | | |

- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report S108, K-25 site Source Inventory Summary
 By Building

Division: 04 Building: 1004-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|-----------------------|---|------|---|
| Ni-63-6032 (32) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | In storage: 05/07/91 Last Audited: 04/19/91 |
| Location: in storage cabinet NW corner of room | | | | |
| Ni-63-6034 (34) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | Active - in use: 05/07/91 Last Audited: 04/19/91 |
| Location: Against east wall South East corner of the room | | | | |
| Ni-63-6037 (37) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: fourth counter top from south side of room on the west end of the counter top | | | | |
| Ni-63-6038 (38) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: on the fourth counter from the south wall on west end of counter. | | | | |
| Ni-63-6039 (39) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: on the center of the fourth counter from the south wall. | | | | |
| Ni-63-6040 (40) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.44E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: in the center of the fifth counter from the south wall. | | | | |
| Ni-63-6041 (41) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.40E+01mCi | 17 | In storage: 04/19/91 Last Audited: 08/01/91 |
| Location: stored underneath the fifth counter from the south wall. Stored close to the west end. | | | | |
| Ni-63-6042 (42) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.41E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: Second counter from the south side of the room. Sitting on East end of counter. | | | | |

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- Business Sensitive -
MARTIN MARIETTA ENERGY SYSTEMS
Source Inventory System
Report SI08, K-25 site Source Inventory Summary
By Building

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Division: 04 Building: 1004-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|-----------------------|---|------|---|
| Ni-63-6043 (43) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.45E+01mCi | 17 | In storage: 04/19/91 Last Audited: 08/01/91 |
| Location: underneath the fifth counter from the south wall. Under the east end of counter. | | | | |
| Ni-63-6044 (44) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.49E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: on the west end of the third counter from the south wall. | | | | |
| Ni-63-6045 (45) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.49E+01mCi | 17 | Active - in use: 04/19/91 Last Audited: 04/19/91 |
| Location: Sitting on the West end on the third counter from the south wall. | | | | |
| Ni-63-6047 | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.46E+01mCi | 17 | Active - in use: 08/14/91 Last Audited: 08/14/91 |
| Location: West end of the fourth counter from the south wall | | | | |

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Division: 04 Building: 1004-F

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|-----------------------|--|----------------------|--|
| Ni-63-6031 (31) | Radionuclide Ni-63 | Zinnig, D. S. Current Activity: 1.37E+01mCi | main- one room bldg. | Inactive: 08/02/91 Last Audited: 08/02/91 |
| Location: east side inside door. | | | | |
| Ni-63-6033 (33) | Radionuclide Ni-63 | Zinnig, D. S. Current Activity: 1.38E+01mCi | main- one room bldg. | Inactive: 08/02/91 Last Audited: 08/02/91 |
| Location: in east side just inside door. | | | | |

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- Business Sensitive -
MARTIN MARIETTA ENERGY SYSTEMS
Source Inventory System
Report SI08, K-25 site Source Inventory Summary
By Building

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Division: 04 Building: 1004-F

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|-----------------------|---|----------------------|--|
| Ni-63-6035 (35) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.41E+01mCi | main- one room bldg. | Inactive: 08/02/91 Last Audited: 08/02/91 |
| Location: just inside door on east side. | | | | |
| Ni-63-6036 (36) | Radionuclide Ni-63 | Zingg, D. S. Current Activity: 1.38E+01mCi | main- one room bldg. | Inactive: 08/02/91 Last Audited: 08/02/91 |
| Location: inside door east side of bldg. | | | | |

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Division: 03 Building: 1006

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|--|-------|---|
| Ni-63-3705 | Radionuclide Ni-63 | Morgan, I. L. Current Activity: 1.43E+01mCi | 8-106 | Active - in use: 06/19/91 Last Audited: 06/19/91 |
| Location: Center of room (inside gas chromatograph) | | | | |
| Ra-226-3706 | Radionuclide Ra-226 | Morgan, I. L. Current Activity: 9.97E+00uCi | D-107 | Active - in use: 06/19/91 Last Audited: 06/19/91 |
| Location: Back against East wall in 1211 RackBeta instrument | | | | |

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Division: Building: 1006-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|---|--|---|-------|--|
| x-7012 (k311758) | X-ray generator Type:Enclosed beam radiographic | Hoffman, D. P. Max OutP: 6.00E+01 KV | 101-B | In storage: 02/27/90 Last Audited: 03/04/91 |
| Location: Upon entering room 101, first door on right is 101-B. X-ray machine is in center of room. | | | | |

- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report SI08, K-25 site Source Inventory Summary
 By Building

Division: 04 Building: 1006-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|---|--|----------------|------|---|
| x-7013 (K308899) | X-ray generator Type:Enclosed beam radiographic | Hoffman, D. P. | 103 | Inactive: 03/05/91 Last Audited: 03/05/91 |
| Location: Two x-ray machines are in the back of this room. This unit is the one on the left . | | | | |
| x-7014 (K308903) | X-ray generator Type:Enclosed beam radiographic | Hoffman, D. P. | 103 | Active - in use: 03/05/91 Last Audited: 08/02/91 |
| Location: Two units are located in the back of this room, this unit is on the right side. | | | | |
| x-7011 (k308912) | X-ray generator Type:Enclosed beam radiographic | Hoffman, D. P. | 105 | Inactive: 02/27/90 Last Audited: 03/05/91 |
| Location: Back of room | | | | |

Division: 16 Building: 1025-A

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|----------------------------------|-----------|---|
| Co-60-6000 (16) | Radionuclide Co-60 | Burr, J. G. Current Activity: | MAIN | Awaiting disposal: 11/06/90 Last Audited: 06/26/91 |
| Location: Far side from main entrance on carrier | | | | |
| Cs-137-6006 (30) | Radionuclide Cs-137 | Burr, J. G. Current Activity: | Main Room | In storage: 11/26/90 Last Audited: 06/26/91 |
| Location: Right side of room. | | | | |
| Cs-137-6016 (29) | Radionuclide Cs-137 | Burr, J. G. Current Activity: | Office | Awaiting disposal: 11/26/90 Last Audited: 06/26/91 |
| Location: Drum in corner of office on right. | | | | |

[1]=missing value [5]=missing T1/2 [6]=missing orig. source strength current activity calculated

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- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report S108, K-25 site Source Inventory Summary
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Division: 16 Building: 1025-A

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|--|--------|---|
| Cs-137-6023 (Cs-137-0190) | Radionuclide Cs-137 | Burr, J. G. Current Activity: 7.15E+00mCi | Office | Awaiting disposal: 09/11/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |
| Cs-137-6024 (Cs-137-0189) | Radionuclide Cs-137 | Burr, J. G. Current Activity: 7.15E+00mCi | Office | Awaiting disposal: 09/11/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |
| Ra-226-6018 (1) | Radionuclide Ra-226 | Burr, J. G. Current Activity: 9.75E+02uCi | office | Awaiting disposal: 11/06/90 Last Audited: 06/26/91 |
| Location: In drum right side of room | | | | |
| Ra-226-6019 (2) | Radionuclide Ra-226 | Burr, J. G. Current Activity: 1.11E+00mCi | Office | Awaiting disposal: 11/06/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |
| Ra-226-6020 (3) | Radionuclide Ra-226 | Burr, J. G. Current Activity: 1.13E+00mCi | Office | Awaiting disposal: 11/06/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |
| Ra-226-6021 (4) | Radionuclide Ra-226 | Burr, J. G. Current Activity: 1.02E+00mCi | Office | Awaiting disposal: 11/05/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |
| Ra-226-6022 (6) | Radionuclide Ra-226 | Burr, J. G. Current Activity: 1.04E+00mCi | office | Awaiting disposal: 11/05/90 Last Audited: 06/26/91 |
| Location: Corner to right of doorway in drum | | | | |

Division: 04 Building: 1025-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|-----------------------|------------------------|---|------|--|
| Ir-192-6001 (20) | Radionuclide Ir-192 | Raines, E. J. Current Activity: 1.03E-02Ci | | In storage: 11/06/90 Last Audited: 06/26/91 |
| Location: main room | | | | |

[1]=missing value [5]=missing T1/2 [6]=missing orig. source strength current activity calculated

Report Date: 09/16/91

- Business Sensitive -
MARTIN MARIETTA ENERGY SYSTEMS
Source Inventory System
Report SI08, K-25 site Source Inventory Summary
By Building

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Division: 16 Building: 1025-D

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|-----------------------------------|--------------------------|---|
| Co-60-6003 (24) | Radionuclide Co-60 | Burr, J. G. Current Activity: | MAIN 1.01E+00mCi | Awaiting disposal: 11/15/90 Last Audited: 06/26/91 |
| Location: Drum in corner of roped off area. | | | | |
| Co-60-6004 (25) | Radionuclide Co-60 | Burr, J. G. Current Activity: | Main 1.03E+00mCi | Awaiting disposal: 11/26/90 Last Audited: 06/26/91 |
| Location: Drum in corner of roped off area. | | | | |
| Co-60-6005 (26) | Radionuclide Co-60 | Burr, J. G. Current Activity: | Main 1.03E+00mCi | Awaiting disposal: 11/26/90 Last Audited: 06/26/91 |
| Location: Drum in corner of roped off area. Drum in corner of roped off area | | | | |
| Co-60-6014 (19) | Radionuclide Co-60 | Burr, J. G. Current Activity: | Main 1.32E+00Ci | Awaiting disposal: 11/26/90 Last Audited: 06/26/91 |
| Location: Left as you enter room. | | | | |
| Pu-239-6013 (8) | Radionuclide Pu-239 | Burr, J. G. Current Activity: | main 6.00E+01mCi | Awaiting disposal: 11/26/90 Last Audited: 06/26/91 |
| Location: Drum in corner of roped off area. | | | | |
| Pu-239-6015 (18) | Radionuclide Pu-239 | Burr, J. G. Current Activity: | Main 2.00E+00Ci | Awaiting disposal: 11/15/90 Last Audited: 06/26/91 |
| Location: Can in corner of roped off area. | | | | |
| Pu-238-6002 (22) | Radionuclide Pu-238 | Wells, B. B. Current Activity: | main room 2.76E+04mCi | In storage: 02/06/90 Last Audited: 06/26/91 |
| Location: south east corner in roped off area | | | | |

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Division: 07 Building: 1035

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|------------------------------------|---------------------|--|
| Cs-137-6017 (65) | Radionuclide Cs-137 | Rogers, D. F. Current Activity: | 125C 5.98E+01uCi | In storage: 11/05/90 Last Audited: 08/01/91 |
| Location: Locked in Safe/Vault against East wall | | | | |

- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report SI08, K-25 site Source Inventory Summary
 By Building

Division: 07 Building: 1035

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|--|------|---|
| Cs-137-6025 (64) | Radionuclide Cs-137 | Rogers, D. F. Current Activity: 5.95E+01uCi | 125C | Active - in use: 01/31/91 Last Audited: 08/01/91 |
| Location: Locked in Safe/Vault against East wall | | | | |
| Cs-137-6026 | Radionuclide Cs-137 | Rogers, D. F. Current Activity: 9.83E-01mCi | 125C | Active - in use: 01/28/91 Last Audited: 08/01/91 |
| Location: Locked in Safe/Vault against East wall | | | | |

Division: 04 Building: 1401

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|-----------------|-----------------|----------|--|
| X-7003 | X-ray generator | Hill Jr., J. B. | | In storage: 01/29/90 Last Audited: 02/26/91 |
| Type: Enclosed beam radiographic Max OutP: 1.10E+02 KV | | | | |
| Location: Basement, locked in cage area | | | | |
| X-7004 (n/a) | X-ray generator | Hill Jr., J. B. | | In storage: 01/29/90 Last Audited: 12/03/90 |
| Type: Portable radiographic Max OutP: 1.10E+02 KV | | | | |
| Location: Basement (Storage Cage Area) | | | | |
| x-7009 | X-ray generator | Hill, J. B. | basement | In storage: 02/26/91 Last Audited: 02/26/91 |
| Type: Portable radiographic Max OutP: 1.60E+02 KV | | | | |
| Location: locked in a cage | | | | |
| x-7010 | X-ray generator | Hill, J. B. | Basement | In storage: 02/26/91 Last Audited: 02/26/91 |
| Type: Portable radiographic Max OutP: 3.00E+02 KV | | | | |
| Location: Locked in caged area | | | | |

[1]=missing value [5]=missing T1/2 [6]=missing orig. source strength current activity calculated

- Business Sensitive -
 MARTIN MARIETTA ENERGY SYSTEMS
 Source Inventory System
 Report SI08, K-25 site Source Inventory Summary
 By Building

Division: 04 Building: 1401

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--------------------------|--|-----------|-------------------|---|
| x-7006 | X-ray generator Hill, J. B. Type:Portable radiographic Max OutP: 1.00E+02 KV | | Cage Area | In storage: 01/29/90 Last Audited: 02/26/91 |
| Location: Basement | | | | |
| x-7007 | X-ray generator Hill, J. B. Type:Portable radiographic Max OutP: 1.00E+02 KV | | Cage area | In storage: 01/29/90 Last Audited: 02/26/91 |
| Location: Basement | | | | |
| x-7008 | X-ray generator Hill, J. B. Type:Portable radiographic Max OutP: 1.40E+02 KV | | Cage area | In storage: 01/29/90 Last Audited: 02/26/91 |
| Location: Basement | | | | |
| X-7001 | X-ray generator Hill, J. B. Type:Enclosed beam radiographic Max OutP: 1.00E+02 KV | | office area | Active - in use: 12/03/90 Last Audited: 09/04/91 |
| Location: #2 office area | | | | |
| x-7005 | X-ray generator Hill, J. B. Type:Portable radiographic Max OutP: 2.00E+02 KV | | Storage cage area | In storage: 01/29/90 Last Audited: 02/26/91 |
| Location: Basement | | | | |
| X-7000 | X-ray generator HILL, J. B. Type:Vault Max OutP: 3.50E+02 kV | | X-RAY VAULT | Active - in use: 12/03/90 Last Audited: 09/04/91 |
| Location: 2 | | | | |

Division: 22 Building: 1600

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|------------------------|------------------------|---|------|---|
| Cf-252-6008 (46) | Radionuclide Cf-252 | Mayor, R. L. Current Activity: 7.37E-01uCi | 23 | Active - in use: 04/26/91 Last Audited: 06/21/91 |
| Location: File Cabinet | | | | |

[1]=missing value [5]=missing T1/2 [6]=missing orig. source strength current activity calculated

Report Date: 09/16/91

- Business Sensitive -
MARTIN MARIETTA ENERGY SYSTEMS
Source Inventory System
Report SI08, K-25 site Source Inventory Summary
By Building

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Division: 22 Building: 1600

| Source ID (Old ID) | Source Type | Custodian | Room | Status |
|--|------------------------|---|-----------|---|
| Cf-252-6009 (47) Location: File Cabinet | Radionuclide Cf-252 | MAYOR, R. L. Current Activity: 1.30E+00uCi | 23 | Active - in use: 04/26/91 Last Audited: 06/21/91 |
| Cf-252-6010 (48) Location: File Cabinet | Radionuclide Cf-252 | Mayor, R. L. Current Activity: 2.11E+00uCi | 23 | Active - in use: 04/26/91 Last Audited: 06/21/91 |
| Cf-252-6011 (49) Location: File Cabinet | Radionuclide Cf-252 | Mayor, R. L. Current Activity: 1.28E+01uCi | 23 | Active - in use: 04/26/91 Last Audited: 06/21/91 |
| Cf-252-6012 (50) Location: File Cabinet | Radionuclide Cf-252 | Mayor, R. L. Current Activity: 1.31E+01uCi | 23 | Active - in use: 04/26/91 Last Audited: 06/21/91 |
| Co-57-6007 (51) Location: File cabinet | Radionuclide Co-57 | Mayer, R. L. Current Activity: 3.26E-02mCi | 23 | In storage: 11/26/90 Last Audited: 06/21/91 |
| Co-57-6051 Location: Just outside of room in a locked safe. | Radionuclide Co-57 | Mayer, R. L. Current Activity: | 23 mCi | Active - in use: 08/07/91 Last Audited: 08/07/91 |

ENVIRONMENTAL TEAM
INFORMATION REQUEST

IX 6

. 6. List of all buildings containing radiological hazards; and the quantities produced, stored, and/or used on an annual basis in each building.